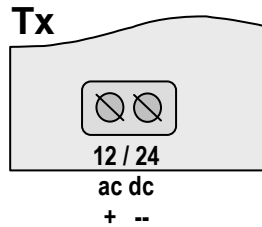
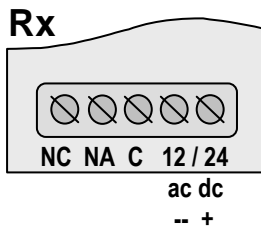




Functional description

C915 is an infrared photobeam for mounting on the bottom edge of a roller shutter. The sprung loaded housing legs begin to roll along the floor when the beam is within 60mm of ground level. working from 12V or 24V ac/dc.

A LED on the Tx is lit all the time. The Rx LED is on when the beam is uninterrupted. Neither are visible through the case, but a sight hole can be made to allow the LED to be seen.

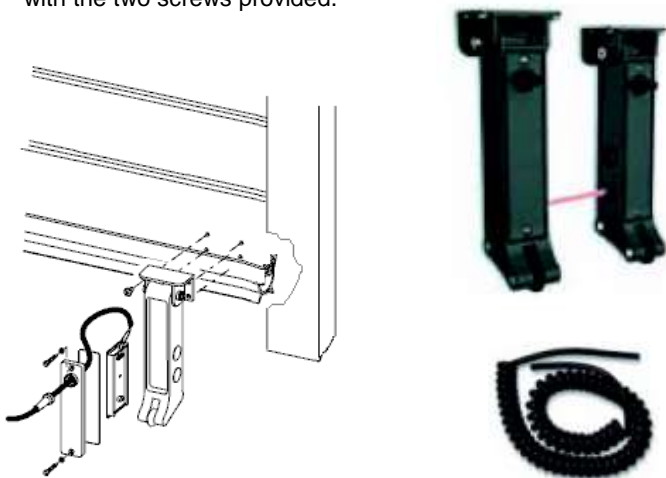


C915 specification	
Power	12/24V ac/dc
Range	10m
Dimensions	34 x 32 x 190mm
Rx light	38mA@24V 22mA @ 12V
Rx dark	26mA @ 24V 8mA @ 12V
TX current	38mA @ 24V 50mA@ 12V
Wavelength	950nm
Modulation	1.33kHz
Relay	1A @ 24V/ac SPCO
IP rating	IP54

Installation

The housing legs are fixed to the back of the door hanging downwards. Run a low voltage cable between the legs. Wire a 4 core flexible or spiral cable from one leg to a terminal box on the door guide. Be sure the cable does not snag over the full travel of the door.

The PCBs can be withdrawn to make wiring easy. Terminals take 22 awg wire or less (0.2mm²). It is a good precaution to spray a conformal coating on the PCB before closing. WD40 also is a good insert repellent. Clip the covers on and secure with the two screws provided.



Connections

Relay contacts are volt free. Relay response time is suitable for being driven from a Cat.2 switched power supply. C915 runs from 12V or 24V. Insert the jumper for 12V operation. When running from a dc supply the photobeam is polarity sensitive.

